

REMARKS/ARGUMENTS

The Examiner has objected to the specification for failing to provide antecedent basis for the claimed subject matter. According to the Examiner, the language in the claims relating to “partially finally contoured radial cavities encapsulated within outer surfaces of said rotor” does not have proper antecedent basis in the specification.

Applicant has amended the claims to remove the language objected to by the Examiner thereby obviating the objection to the specification. The claims now refer to forming partial cavities and partial impellers in a first step, and complete cavities and impellers upon completion of a second step.

The Examiner has objected to claim 14, suggesting that “wherein diameter” be amended to read “wherein the diameter”.

Claim 14 has been amended as suggested by the Examiner.

The Examiner has rejected claims 1-20 under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. This rejection again relates to language in the claims relating to “partially finally contoured radial cavities”.

Applicant has amended the claims as noted above to delete the language objected to by the Examiner. Descriptive support is found on pages 5 and 6 of the application as filed.

Claims 1-20 have also been rejected under 35 U.S.C. § 112, second paragraph, as indefinite, alleging that it is unclear what is meant by the term “partially finally contoured radial cavities”.

Here again, the claims have been amended to delete the language objected to by the Examiner.

Thus, independent claim 1 now requires a method for production of a rotor of a centrifugal compressor from a monolithic disk wherein the rotor comprises a plurality of impellers separated by radial cavities, the method comprising working the disk in a first radial direction by at least one rotating tool of a numerical control machine, such as to remove shavings and to thereby produce partial radial cavities and partial impellers circumferentially between said partial cavities within said monolithic disk; and working each disk in a second radial direction substantially opposite to said first radial direction by at least one other rotating tool of the numerical control machine such as to remove shavings and thereby complete production of said plurality of impellers and said radial cavities. As noted above, support for the language now utilized in claim 1 is found on pages 5 and 6 of the specification as filed.

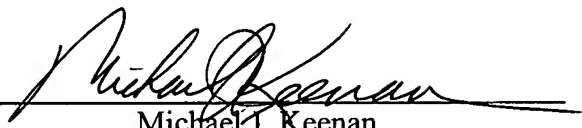
It is respectfully submitted that the remaining application claims 1-14 and 16-20 are in condition for immediate allowance and early passage to issue is requested. In the event, however, any small matters remain outstanding, the Examiner is encouraged to telephone the undersigned so that the prosecution of this application can be expeditiously concluded.

The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140.

MOLA, P.
Appl. No. 10/642,238

Respectfully submitted,

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